



RESULT 2  
US-08-810-712-24  
Sequence 24, Application US/08810712G  
Patent No. 6160106  
GENERAL INFORMATION:  
APPLICANT: Yeda Research and Development Co. LTD  
TITLE OF INVENTION: Tumor Suppressor Genes, Proteins Encoded Thereby and  
TITLE OF INVENTION: Use of said Genes and Proteins  
FILE REFERENCE: sequence list  
CURRENT APPLICATION NUMBER: US/08/810,712G  
CURRENT FILING DATE: 1997-03-03  
EARLIER APPLICATION NUMBER: PCT/US94/11598  
EARLIER FILING DATE: 1994-10-12  
NUMBER OF SEQ ID NOS: 31  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 24  
LENGTH: 331  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-08-810-712-24

Query Match 67.1%; Score 1239.5; DB 4; Length 331;  
Best Local Similarity 69.1%; Pred. No. 3.4e-100;  
Matches 233; Conservative 57; Mismatches 36; Indels 11; Gaps 2;

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DB 1 MTFRQEDVEDHYEMGELSGGQFAIVKCKREKSTGLEVAKFIKKRRLSSRGVSREE 60  
OY 61 IEREVSILRQVLAHNNVTTLHDVYENRTDVAHILELVSGGELFDFLAOKESLSEBEATSFT 120  
DB 61 IEREVSILRQVLAHNNVTTLHDVYENRTDVAHILELVSGGELFDFLAOKESLSEBEATSFT 120  
OY 121 KQILDGVNVLHTTKIAHFDLKPENIMLDKNIPHPHKLIDFGLAHIEDEGVEKNIEGT 180  
DB 121 KQILDGVNVLHTTKIAHFDLKPENIMLDKNIPHPHKLIDFGLAHIEDEGVEKNIEGT 180  
OY 121 KQILDGVNVLHTTKIAHFDLKPENIMLDKNIPHPHKLIDFGLAHIEDEGVEKNIEGT 180  
DB 121 KQILDGVNVLHTTKIAHFDLKPENIMLDKNIPHPHKLIDFGLAHIEDEGVEKNIEGT 180  
OY 181 PEVAPETVINEPGLLEADMMSIGVITYILLSGASPFGLDTRKOETLANITSVSDPDEEF 240  
DB 181 PEVAPETVINEPGLLEADMMSIGVITYILLSGASPFGLDTRKOETLANITSVSDPDEEF 240  
OY 241 FSHTSELAKDFIRKLVLKTRKRLTIQDALRHPWITTPVNDQOAMVRESVYNLENFRKQY 300  
DB 241 FSHTSELAKDFIRKLVLKTRKRLTIQDALRHPWITTPVNDQOAMVRESVYNLENFRKQY 300  
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DB 241 FSHTSELAKDFIRKLVLKTRKRLTIQDALRHPWITTPVNDQOAMVRESVYNLENFRKQY 300  
OY 301 VRRRKLSFVSIVSLCNHLTRSLMKKVHLRPPDEDL 334  
DB 293 ARKKMKQSVRLISLCQRLSRFLSRNMSVARSDTL 329

RESULT 3  
US-09-159-385-1  
Sequence 1, Application US/09159385  
Patent No. 5958748  
GENERAL INFORMATION:  
APPLICANT: AKIRA, SHIZUO  
TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE  
FILE REFERENCE: PH-569  
CURRENT APPLICATION NUMBER: US/09/159,385  
CURRENT FILING DATE: 1998-09-23  
EARLIER APPLICATION NUMBER: JP97/261589  
EARLIER FILING DATE: 1997-09-26  
NUMBER OF SEQ ID NOS: 8  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 454  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-159-385-1

Query Match 63.2%; Score 1166; DB 2; Length 454;  
Best Local Similarity 64.7%; Pred. No. 1.3e-93;

Matches 233; Conservative 49; Mismatches 60; Indels 18; Gaps 3;

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DB 1 MTFRQEDVEDHYEMGELSGGQFAIVKCKROKGTGLEYAKFIKKRRLSSRGVSREE 60  
OY 61 IEREVSILRQVLAHNNVTTLHDVYENRTDVAHILELVSGGELFDFLAOKESLSEBEATSFT 120  
DB 61 IEREVSILRQVLAHNNVTTLHDVYENRTDVAHILELVSGGELFDFLAOKESLSEBEATSFT 120  
OY 121 KQILDGVNVLHTTKIAHFDLKPENIMLDKNIPHPHKLIDFGLAHIEDEGVEKNIEGT 180  
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OY 181 PEVAPETVINEPGLLEADMMSIGVITYILLSGASPFGLDTRKOETLANITSVSDPDEEF 240  
DB 181 PEVAPETVINEPGLLEADMMSIGVITYILLSGASPFGLDTRKOETLANITSVSDPDEEF 240  
OY 241 FSHTSELAKDFIRKLVLKTRKRLTIQDALRHPWITTPVNDQOAMVRESVYNLENFRKQY 300  
DB 241 FSHTSELAKDFIRKLVLKTRKRLTIQDALRHPWITTPVNDQOAMVRESVYNLENFRKQY 300  
OY 301 VRRRKLSFVSIVSLCNHLTRSLMKKVHLRPPDEDL 334  
DB 294 RRRRLTKLKEYTISKSSS-----LPNNVSADPFEFESVLEEAAMAEGLRELORS 345

Query Match 63.2%; Score 1166; DB 4; Length 454;  
Best Local Similarity 64.7%; Pred. No. 1.3e-93;  
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DB 1 MTFRQEDVEDHYEMGELSGGQFAIVKCKROKGTGLEYAKFIKKRRLSSRGVSREE 60  
OY 61 IEREVSILRQVLAHNNVTTLHDVYENRTDVAHILELVSGGELFDFLAOKESLSEBEATSFT 120  
DB 61 IEREVSILRQVLAHNNVTTLHDVYENRTDVAHILELVSGGELFDFLAOKESLSEBEATSFT 120  
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OY 121 KQILDGVNVLHTTKIAHFDLKPENIMLDKNIPHPHKLIDFGLAHIEDEGVEKNIEGT 180  
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OY 181 PEVAPETVINEPGLLEADMMSIGVITYILLSGASPFGLDTRKOETLANITSVSDPDEEF 240  
DB 181 PEVAPETVINEPGLLEADMMSIGVITYILLSGASPFGLDTRKOETLANITSVSDPDEEF 240  
OY 241 FSHTSELAKDFIRKLVLKTRKRLTIQDALRHPWITTPVNDQOAMVRESVYNLENFRKQY 300  
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DB 301 VRRRKLSFVSIVSLCNHLTRSLMKKVHLRPPDEDL 334



RESULT 10  
US-09-221-236-11  
; Sequence 11, Application US/09221236  
; Patent No. 6146841

RESULT 12  
US-09-221-245-11  
; Sequence 11, Application US/09221245

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: Patent NO. 5180358
: GENERAL INFORMATION:
: APPLICANT: Acton, Susan
: TITLE OF INVENTION: NOVEL CSAPk-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
: FILE REFERENCE: NMI-050
: CURRENT APPLICATION NUMBER: US/09/221,245
: CURRENT FILING DATE: 1998-12-26
: EARLIER APPLICATION NUMBER: US 09/163,115
: EARLIER FILING DATE: 1998-09-29
: NUMBER OF SEQ. ID NOS: 15
: SOFTWARE: Patentin Ver. 2.0
: SEQ ID NO 11
: LENGTH: 160
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-221-245-11

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Db	62	KRLTIOEARHPWIPVPVNOCAMVRRESVVNLNENRKOYVRRRWKLSESVISLCNHLTRS	121							
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Db	122	LMAKVLRPDEDLRNCESDTEDDIARRKLHPRRSSTS	160							

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RESULT 13
US-09-163-115-11
: Sequence 11, Application US/09163115A
: Patent No. 6183962
: GENERAL INFORMATION:
: APPLICANT: Acton, Susan
: TITLE OF INVENTION: NOVEL CSApK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
: FILE REFERENCE: NMT-050
: CURRENT APPLICATION NUMBER: US/09/163,115A
: CURRENT FILING DATE: 1998-09-29
: NUMBER OF SEQ ID NOS: 15
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 11
: LENGTH: 160
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-163-115-11

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[illegible]

RESULT 14  
US-09-221-528-11  
; Sequence 11, Application US/09221528  
; Patent No. 6190874

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: GENERAL INFORMATION:
: APPLICANT: Acton, Susan
: TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
: FILE REFERENCE: MNI-050
: CURRENT APPLICATION NUMBER: US/09/221,528
: CURRENT FILING DATE: 1998-12-28
: EARLIER APPLICATION NUMBER: 09/163,115
: EARLIER FILING DATE: 1998-09-29
: NUMBER OF SEQ. ID NOS.: 15
: SOFTWARE: Patentln Ver. 2.0
: SEQ. ID NO. 11
: LENGTH: 160
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-09-221-528-11

Query Match          41.2%   Score 761:  DB 4:   Length 160:
Best Local Similarity 94.3%   Pred. No. 5.6e-59:
Matches 150:  Conservative 4:  Mismatches 3:  Indels 2:  Gaps 1:

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Dd	4 SLSVV--LSLGASEFLDLDTKOETLANITAAYSIDDEFESQTSELAADFRLKLIVKETR	61			
QY	262 KRLTIOEALRPMTIPVDNOCAMVRESVNLENFRKQYVRRMKLSFSIYSLCNHLTRS	321			
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RESULT 15
US-09-593-553-11
: Sequence 11: Application US/09593553
: Patent No. 6200770
: GENERAL INFORMATION:
: APPLICANT: Acteon, Susan
: TITLE OF INVENTION: NOVEL CSAPE-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
: FILE REFERENCE: MNI-050
: CURRENT APPLICATION NUMBER: US/09/593,553
: CURRENT FILING DATE: 2000-06-14
: PRIOR APPLICATION NUMBER: 09/163,115
: PRIOR FILING DATE: 1998-09-28
: NUMBER OF SEQ ID NOS: 15
: SOFTWARE: PatentIn Ver. 2.0
: SEQ ID NO 11
: LENGTH: 160
: TYPE: PRF
: ORGANISM: Homo sapiens
: US-09-593-553-11

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	: : :	:	:	:	:
Dd	4 SLSV--LISGASFIDLTQKEITANTITSYDDEEFESYSLADFIRKLIVKETR	61			
OY	262 KRLTIOEARHPWITPVYNQAMVRRESVNLLENRKQYVRRRMKLSFSISSLNHLTRS	321			
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Dd	62 KRLTIOEARHPWITPVYNQAMVRRESVNLLENRKQYVRRRMKLSFSISSLNHLTRS	121			
OY	322 LMKRVHLPDEDLRNCSDTEEDIAARRALPHRRRSSTTS	360			
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Job time : 15.4462 secs

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GenCore version 5.1.4.p5\_4578  
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## OM protein - protein search, using sw model

Run on: March 26, 2003, 19:10:26 ; Search time 15.0241 Seconds  
(without alignments)  
1407.110 Million cell updates/sec

Title: US-09-719-748-2

Perfect score: 1846  
Sequence: 1 MEPPKQKQVEDFYDIGELG.....TEEDARKKALHPRRSSTS 360

## Scoring table:

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Gapop 10.0, Gapext 0.5

Searched: 237916 seqs, 58723674 residues

Total number of hits satisfying chosen parameters: 237916

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

## Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
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- 14: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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1	1166	63.2	454	10 US-09-771-161A-238	Sequence 238, App
2	761	41.2	160	10 US-09-757-982-11	Sequence 11, Appl
3	677.5	36.7	298	10 US-09-858-664A-17	Sequence 17, Appl
4	664.5	36.0	508	10 US-09-858-664A-18	Sequence 18, Appl
5	639.5	34.6	839	10 US-09-925-300-1442	Sequence 1442, Ap
6	633.5	34.3	388	10 US-09-940-921B-7	Sequence 7, Appl
7	633.5	34.3	398	10 US-09-940-921B-9	Sequence 9, Appl
8	603.5	32.7	596	10 US-09-797-039-8	Sequence 8, Appl
9	564	30.6	357	9 US-10-024-036B-2	Sequence 2, Appl
10	543.5	29.4	460	9 US-09-935-464-3	Sequence 3, Appl
11	543.5	29.4	476	9 US-09-935-464-5	Sequence 5, Appl
12	541	29.3	26926	9 US-09-759-508B-2	Sequence 2, Appl
13	530.5	28.7	370	9 US-10-142-356-7	Sequence 7, Appl
14	530.5	28.7	370	10 US-09-817-181-4	Sequence 4, Appl
15	530.5	28.7	846	10 US-09-858-664A-3	Sequence 3, Appl
16	530	28.7	317	9 US-09-935-464-36	Sequence 36, Appl
17	526	28.5	549	10 US-09-858-664A-5	Sequence 5, Appl
18	512	27.7	414	10 US-09-858-664A-13	Sequence 13, Appl
19	507.5	27.5	556	12 US-10-096-960-4	Sequence 4, Appl

20	501	27.1	565	12 US-10-096-960-2	Sequence 2, Appl
21	500	27.1	274	10 US-09-858-664A-14	Sequence 14, Appl
22	499.5	27.1	648	9 US-10-024-036B-5	Sequence 5, Appl
23	499.5	27.1	817	10 US-09-992-481-4	Sequence 4, Appl
24	490	26.5	295	9 US-09-988-462-23	Sequence 23, Appl
25	483	26.2	416	9 US-09-925-299-887	Sequence 887, App
26	483	26.2	416	10 US-09-925-299-887	Sequence 887, App
27	477.5	25.9	463	9 US-09-988-462-25	Sequence 25, Appl
28	475.5	25.8	549	10 US-09-828-313-39	Sequence 39, Appl
29	472.5	25.6	406	10 US-09-771-161A-210	Sequence 210, App
30	470.5	25.5	639	10 US-09-854-731-17	Sequence 17, Appl
31	470	25.5	326	10 US-09-817-181-2	Sequence 2, Appl
32	468.5	25.4	623	10 US-09-854-731-4	Sequence 4, Appl
33	468.5	25.4	625	10 US-09-854-731-18	Sequence 18, Appl
34	467.5	25.3	1665	10 US-09-858-664A-2	Sequence 2, Appl
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36	467.5	25.3	7968	9 US-10-077-130-5	Sequence 5, Appl
37	466.5	25.3	501	10 US-09-797-039-2	Sequence 2, Appl
38	466.5	25.3	501	12 US-10-153-921-2	Sequence 2, Appl
39	465	25.2	385	9 US-10-116-332-2	Sequence 2, Appl
40	458.5	24.8	765	9 US-10-217-357-4	Sequence 4, Appl
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42	458.5	24.8	766	9 US-09-934-406-2	Sequence 2, Appl
43	458.5	24.8	766	9 US-10-217-357-2	Sequence 2, Appl
44	458.5	24.8	766	10 US-09-975-326-2	Sequence 2, Appl
45	455	24.6	464	9 US-09-988-462-22	Sequence 22, Appl

## ALIGNMENTS

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RESULT 1
US-09-771-161A-238
Sequence 238, Application US/09771161A
Patent No. US20020110811A1
GENERAL INFORMATION:
APPLICANT: LEVINE, et al
TITLE OF INVENTION: VARIANTS OF PROTEIN KINASES
FILE REFERENCE: 802620-2005.1
CURRENT APPLICATION NUMBER: US/09/771,161A
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: 09/724,676
PRIOR FILING DATE: 2000-11-28
PRIOR APPLICATION NUMBER: 136776
PRIOR FILING DATE: 2000-06-15
PRIOR APPLICATION NUMBER: 135619
PRIOR FILING DATE: 2000-04-12
NUMBER OF SEQ ID NOS: 273
SOFTWARE: PatentIn version 3.0
SEQ ID NO 238
LENGTH: 454
TYPE: PRT
ORGANISM: Homo sapiens
US-09-771-161A-238

Query Match      63.2%; Score 1166; DB 10; Length 454;
Best Local Similarity 64.7%; Pred. No. 2.9e-77;
Matches 233; Conservative 49; Mismatches 60; Indels 18; Gaps 3;

QY 1 MEPPKQKQVEDFYDIGELGSGGFAIVKCKREKSTGLEVAKFTKKRQSRASRGVSREE 60
DB 1 MSFFROEDVDYHDEKGEELSGGFAIVKCKRQGTGKTEYAKFTKKRRLSSRRGVSREE 60
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RESULT 2
US-09-757-982-11
; Sequence 11, Application US/09757982
; Patent No. US20020094559A1
; GENERAL INFORMATION:
; APPLICANT: Acton, Susan
; TITLE OF INVENTION: NOVEL CSAPK-1 NUCLEIC ACID MOLECULES AND USES THEREFOR
; FILE REFERENCE: NMT-050
; CURRENT FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: 09/163,115
; PRIOR FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-757-982-11

Query Match 41.2%; Score 761; DB 10; Length 160;
Best Local Similarity 94.3%; Pred. No. 2,1e-48;
Matches 150; Conservative 4; Mismatches 3; Indels 2; Gaps 1;

Qy 202 SIGVITYLLSGASPFGLGTQOETLNTISVYDFDEFSHTSELAKDFTKRLKLVETR 261
Db 4 SLSTV--LTLGASPFGLGTQOETLNTAVSYDFDEFSQTSSELAKDFTKRLKLVETR 61
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Db 62 KRLTIOEALRHPWITPVNOQAMVRESVNLNFRKQYVRRWKLSPISVSLCNHLTRS 121
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RESULT 3
US-09-858-664A-17
; Sequence 17, Application US/09858664A
; Patent No. US20020072491A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui, et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEROP
; FILE REFERENCE: CLO00927-CIP
; CURRENT FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: 09/711,134
; PRIOR FILING DATE: 2000-11-11
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 298
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-858-664A-17

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Qy 7 QKVEDFYDIEGLSGOFAIVKCKREKSTGLEVAAKFIKKRQSRASRGVSRREIEREV 66
Db 1 QKVSDFYDIEERLGSFGFQVFLVEKTRKRVAGKFFFAYSK-----EKENIQEIS 54
Qy 67 ILROVLHNVITLHDYENKTDVNHILEVSGGELDFDLAKQ-SLSEEAITSFIQIOL 125
Db 55 IMNGLHHPKLVQCVDAFEERKANIVMLVLEISGGELFERIIDEDELFELTERECIKYMQIIE 114
Qy 126 GVNYLHRTKTAHDLKPEINMLDKNIPRIKILDPGLAHEIDEGVEFNINFGTPEVA 185
Db 115 GVEYIHKQGIYVHDLKPEINMCKNT--GTRIKLIDPGLARLEMGSLKVLFGTPEVA 172
Qy 186 PEIVNPEPLGLEADMMSIGVITYLLSGASPFGLGTQOETLNTISVYDFDEFSHTS 245
Db 173 PEIVNPEISATDMSIGVICYLLVSGLSPFMGDNDETLANVTSATWDPDEADEIS 232
Qy 246 ELAKDFTRKLVKTRKRLTIOEALRHPWITPVNOQAMVRESVNLNFRKQYVRR 304
Db 233 DDADFTSNLKKDKMKRDLCTOCLQHPWLMKDTKMEA-----KLSKDRMKKYMARRK 287
Qy 305 WK 306
Db 288 WQ 289

RESULT 4
US-09-858-664A-18
; Sequence 18, Application US/09858664A
; Patent No. US20020072491A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui, et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEROP
; FILE REFERENCE: CLO00927-CIP
; CURRENT FILING DATE: 2001-05-17
; PRIOR APPLICATION NUMBER: 09/711,134
; PRIOR FILING DATE: 2000-11-11
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 508
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-858-664A-18

Query Match 36.0%; Score 664.5; DB 10; Length 508;
Best Local Similarity 48.0%; Pred. No. 8e-41;
Matches 130; Conservative 50; Mismatches 82; Indels 9; Gaps 3;

Qy 6 QOKVEDFYDIEGLSGOFAIVKCKREKSTGLEVAAKFIKKRQSRASRGVSRREIEREV 65
Db 243 EQKVSDFYDIEERLGSFGFQVFLVEKTRKRVAGKFFFAYSK-----EKENIQEIS 296
Qy 66 SILROVLHNVITLHDYENKTDVNHILEVSGGELDFDLAKQ-SLSEEAITSFIQIOL 124
Db 297 SINMCLHHPKLVQCVDAFEERKANIVMLVLEISGGELFERIIDEDELFELTERECIKYMQIIE 356
Qy 125 DGVNYLHRTKTAHDLKPEINMLDKNIPRIKILDPGLAHEIDEGVEFNINFGTPEV 184
Db 357 EGVEYIHKQGIYVHDLKPEINMCKNT--GTRIKLIDPGLARLEMGSLKVLFGTPEV 414
Qy 185 APEIVNPEPLGLEADMMSIGVITYLLSGASPFGLGTQOETLNTISVYDFDEFSHTS 244
Db 415 APEIVNPEISATDMSIGVICYLLVSGLSPFMGDNDETLANVTSATWDPDEADEIS 474
Qy 245 SELAKDFTRKLVKTRKRLTIOEALRHPWITPVNOQAMVRESVNLNFRKQYVRR 275
Db 475 SDDAKDFISNLKKDKMKRDLCTOCLQHPWLMKDTKMEA-----KLSKDRMKKYMARRK 505
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[illegible]

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: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 2
: LENGTH: 357
: TYPE: PRT
: ORGANISM: Homo sapiens
US-10-024-036B-2

Query Match          30.6%; Score 564; DB 9; Length 357;
Best Local Similarity 35.0%; Pred. No. 1e-33;
Matches 120; Conservative 66; Mismatches 143; Indels 14; Gaps 5;

OY 7 OKVEDPFDIGELGSGGGAFAIVKCKREKSTGLEAFAFKRKRSRASHRGVSRREIEREVS 66
Db 17 EDIKKIFEFKFTLTGCAFESEVLAEEKATGKLFVAKCIPKAAKG-----KESSINEIA 71
OY 67 ILRQVLLHNVTTLTDVYENRTDVVHILELVSGGELFPFLQAKESLSSEETSPFIKOILDG 126
Db 72 VLARKKHENIVALDEIYESPNHLTYLWQLVSGGELFPRIYEKGGYPRPKDASTLIRQVLA 131
OY 127 VNYLTFTKRIAHFDLKPENIMLDKNIPRIKILIDFGLAHIEDGVEFKKINFGPREVAR 186
Db 132 VYLLIRMGIVHRDLKPENLLYYSD--EESKIMIDFGISKKEGKGDWMASTAGCTGVAPAR 190
OY 187 ELVNERPELGLEDAMSTGIVITYITLLSGASPLGDTKQETLANITSVSVDPEDEEFSHTSE 246
Db 191 EYLAQPPSKAVDCISVIAITLLCGTPPYDENDSKLFPQILAKETEPSPWDDISD 250
OY 247 LAKDFIRKLKLVETFRKRLTIQEAHLHPVITPDVNOQAMVRESVYVNLNFKQYRRRWK 306
Db 251 SAKDFIRNLMEQDPKRTCEQAHHNPWIAQ--DTALNKNHESV--SAQIRKNAKSKRW 307
OY 307 LSEFIVSLCNHLTRSLMKKVNHLRPDEDLRNCESDTEEDIAARRK 349
Db 308 QAFNATAVVRH-----MRKLHLGSSLDSSNASVSSSLASQK 345

RESULT 10
US-09-935-464-3
: Sequence 3, Application US/09935464
: Publication No. US20030027153A1
: GENERAL INFORMATION:
: APPLICANT: Meyer, Joanne
: APPLICANT: Barrington-Martin, Rory
: TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING NEUROPSYCH
: TITLE OF INVENTION: DISORDERS SUCH AS SCHIZOPHRENIA
: FILE REFERENCE: 3322/1H702 US1
: CURRENT APPLICATION NUMBER: US/09/935,464
: CURRENT FILING DATE: 2001-08-23
: PRIOR APPLICATION NUMBER: US 09/757,300
: PRIOR FILING DATE: 2001-01-09
: NUMBER OF SEQ ID NOS: 90
: SOFTWARE: PatentIn version 3.0
: SEQ ID NO 3
: LENGTH: 460
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-935-464-3

Query Match          29.4%; Score 543.5; DB 9; Length 460;
Best Local Similarity 37.1%; Pred. No. 4.3e-32;
Matches 125; Conservative 70; Mismatches 113; Indels 29; Gaps 10;

OY 17 ELGGGGAFAIVKCKREKSTGLEAFAFKRKRSRASHRGVSRREIEREVSIIHQVLLHNHV 76
Db 27 EYLVSGAFSEVFLVKORLTGKLFALKIKRK--SPARF---DSSLNEIIVLAKIKIHENI 80
OY 77 ITLDVYENRTDVVHILELVSGGELFPFLQAKESLSSEETSPFIKOILDVNVNLTHTKKA 136
Db 81 HTLEDIESTHYVLYWQLVSGGELFPRIIEGYYTEKASLVIOQLVASVKKLHENGIV 140
OY 137 HPDLKPEINIML--DKNIPRIKILIDFGLAHIEDGVEFKKINFGTPEFAPEIVNERPL 194
Db 137 HPDLKPEINIML--DKNIPRIKILIDFGLAHIEDGVEFKKINFGTPEFAPEIVNERPL 194

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Db 141 HRDLKPENLLYLTPREEN---SKIMITDFGLSKMEQNGI--MSTACGTPGVYAPVLAQKPY 196
;
OY 195 GLEADWMSIGVITYILLSCASPLGDTKQETLANITVSVDPEEFPESHSTSELAQDFIRK 254
;
Db 197 SKAVDWSIGVITYILLGCPPEYETESKLFKEIGEVYEFSPMDSDSESQKFIQ 256
;
OY 255 LKVKETRRKLTIQDALRHPMTVDNQOAVRR--ESVYNLENRKQYVRRRMLSPSIVS 313
;
Db 257 LLEKDNERYTCKALSHPMI---DGNITLHRITPSVSLQ--IQKNFAKSKMIOAFNAAA 312
;
OY 314 LCNHLTRSLMKKVHL-----RPDEDLRNCESDTEE 343
;
Db 313 VVHH-----MRKLHMLHSPGVAPVEVNNRPPEYQASE 344
;

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RESULT 11
US-09-935-464-5
; Sequence 5, Application US/09935464
; Publication No. US20030027153A1
; GENERAL INFORMATION:
; APPLICANT: Meyer, Joanne
; APPLICANT: Barrington-Martin, Rory
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING NEUROPSYCHIA
; FILE REFERENCE: 3323/11702 US1
; CURRENT APPLICATION NUMBER: US/09/935,464
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/757,300
; PRIOR FILING DATE: 2001-01-09
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 476
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-464-5

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```

Query Match 29.4%; Score 543.5; DB 9; Length 476;
Best Local Similarity 37.1%; Pred. No. 4.4e-32;
Matches 125; Conservative 70; Mismatches 113; Indels 29; Gaps 10;

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OY 17 EELSGOFAIVKCKREKSTGLEVAKFIRKROSRASRGVSRREIREVSIILROVLHNV 76
;
Db 27 EVLGSAPFSVPLVKORLTKGKLFALKCIK--SPAER---DSSLENEIVLKKIKHENI 80
;
OY 77 IFLHDVYENKRTDVVHILELVSGGELDFDLAOKESLSEEAATSPFIKOILDGVNLHTKRIA 136
;
Db 81 VLEEDIYESTHYLLVMOQLISGSELDRILERGVTEKADSLVIOQLSAVKYKTLHENGIV 140
;
OY 137 HFDLKEENIML--DKNIPRPHIKLIDFGLAHEIDGVEKKNIFGTPPEYAPETVNYEPL 194
;
Db 141 HRDLKPENLLYLTPREEN---SKIMITDFGLSKMEQNGI--MSTACGTPGVYAPVLAQKPY 196
;
OY 195 GLEADWMSIGVITYILLSCASPLGDTKQETLANITVSVDPEEFPESHSTSELAQDFIRK 254
;
Db 197 SKAVDWSIGVITYILLGCPPEYETESKLFKEIGEVYEFSPMDSDSESQKFIQ 256
;
OY 255 LKVKETRRKLTIQDALRHPMTVDNQOAVRR--ESVYNLENRKQYVRRRMLSPSIVS 313
;
Db 257 LLEKDNERYTCKALSHPMI---DGNITLHRITPSVSLQ--IQKNFAKSKMIOAFNAAA 312
;
OY 314 LCNHLTRSLMKKVHL-----RPDEDLRNCESDTEE 343
;
Db 313 VVHH-----MRKLHMLHSPGVAPVEVNNRPPEYQASE 344
;

```

```

RESULT 12
US-09-759-508B-2
; Sequence 2, Application US/09759508B
; Publication No. US20020182599A1
; GENERAL INFORMATION:
; APPLICANT: Fishman, Mark C.

```

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; TITLE OF INVENTION: Methods for Diagnosing and Treating Heart Disease
; FILE REFERENCE: 00766/381002
; CURRENT APPLICATION NUMBER: US/09/759,508B
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: US 60/175,787
; PRIOR FILING DATE: 2000-01-12
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 26926
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-759-508B-2

```

```

Query Match 29.3%; Score 541; DB 9; Length 26926;
Best Local Similarity 38.6%; Pred. No. 7.2e-30;
Matches 102; Conservative 61; Mismatches 91; Indels 10; Gaps 3;

```

```

OY 13 YDGEELSGOFAIVKCKREKSTGLEVAKFIRKROSRASRGVSRREIREVSIILROVL 72
;
Db 24754 YMTAEDLGRGEFIVHRCVETSSKTYMAKFKV-----KGTDOYLVKKEISILNIAR 24806
;
OY 73 HHNVITLHDVYENKRTDVVHILELVSGGELDFDLAOKESLSEEAATSPFIKOILDGVNYLH 131
;
Db 24807 HNNILHESFESMEELVMIFEISGLDIFERINTSAFELNEREIVSYHQVCAQLFLH 24866
;
OY 132 TKRIAFDLKPENIMLDKNIPRPHIKLIDFGLAHEIDGVEKKNIFGTPPEYAPETVNY 191
;
Db 24867 SHNHGHDIPENIITYOTRRSST--IKIIEGQARQLKPGDNFLFTAEYVAPVYVHOH 24924
;
OY 192 EPLGLEADWMSIGVITYILLSCASPLGDTKQETLANITVSVDPEEFPESHSTSELAQDF 251
;
Db 24925 DVSTATDWSLGLTVLVLSGINPLAETNQOITENIMNAYETFDDEAREISIEAMD 24984
;
OY 252 IRKLKVKETRRKLTIQDALRHPMT 275
;
Db 24985 VDRILVKEKRSMTASALQHPWL 25008
;

```

```

RESULT 13
US-10-142-356-7
; Sequence 7, Application US/10142356
; Publication No. US20030036183A1
; GENERAL INFORMATION:
; APPLICANT: Boylan, John F.
; APPLICANT: Bowers, Alex J.
; TITLE OF INVENTION: Serine-Threonine Kinase Member, h2520-40
; FILE REFERENCE: 01017/37177A
; CURRENT APPLICATION NUMBER: US/10/142,356
; CURRENT FILING DATE: 2002-05-09
; PRIOR APPLICATION NUMBER: 60/290,276
; PRIOR FILING DATE: 2001-05-10
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-142-356-7

```

```

Query Match 28.7%; Score 530.5; DB 9; Length 370;
Best Local Similarity 35.7%; Pred. No. 2.9e-31;
Matches 120; Conservative 65; Mismatches 126; Indels 25; Gaps 9;

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```

OY 4 FKQ-QKVEDPYDGEELSGOFAIVKCKREKSTGLEVAKFIRKROSRASRGVSRREIE 62
;
Db 10 WKQAEIDRIQDIFRDVLTGAFSEVILAEDEKRTQKIVAIAIKIAR--EALKEGEG-----SME 64
;
OY 63 REVSIILROVLHNVITLHDVYENKRTDVVHILELVSGGELDFDLAOKESLSEEAATSPFIKQ 122
;
Db 65 NEIIVLHKIKRPNIVADLDIYESGHLVLIHQVLSGSELDFRIYKEGFYTERDASRLIFQ 124
;
OY 123 ILDSVNLHTKRIHFDLKPENIML--LDKNIPRPHIKLIDFGLAHEIDGVEKKNIFGT 180
;

```

```

TITLE OF INVENTION: THEREOF
FILE REFERENCE: CLO00927-CIP
CURRENT APPLICATION NUMBER: US/09/858, 664A
CURRENT FILING DATE: 2001-05-17
PRIOR APPLICATION NUMBER: 09/711, 134
PRIOR FILING DATE: 2000-11-11
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 846
TYPE: PRT
ORGANISM: Homo sapiens
US-09-858-664A-3

Query Match      28.7%; Score 530.5; DB 10; Length 846;
Best Local Similarity 35.3%; Pred. No. 7.6e-31;
Matches 117; Conservative 76; Mismatches 119; Indels 19; Gaps 7.

QY      2  EPFQKQKVEDPYDIDGELSGQFAIVKCKCREKSTGLEVAAKFI-KKROSRRSRGVSREE 60
      | : : : : | | | | : | : | : : : | : | | | | | : : : | |
DB      106 EDHRRGRRLSDYDDIHQELIGKAGFSYLRIIVERSSGLEFAKFIPSQAKPKASAR----- 159

QY      61 IEREVSILROYLHNHVTTLHDVYENRTDVYHILELVSGGELDFPLAOKESLSEEAATSF 120
      | : : : : | : : : : | : : : : | : : : : | : : : : | : : : : |
DB      160 --REARLLARLQHDQCVLYFHEAFERRRGIVLYELCT-BELLERTARKPTVCESEIRAYM 216

QY      121 KQIDGVVYILHTKKTAHFDLKPENIMLDKNIPRIKILIDEGLAHEIEDGVYEFKNIFGT 180
      | : | : : : | | | : : | : | | | : : : | : : : : | : : : : |
DB      217 KQVLEIHTLHDSHYLHLDVKNPENLWMDGAGEQGVRICDFGNMOELTPGEPQYCOYGT 276

QY      181 PEFVAPEIVNEPPLGLEADKMSIGVITIIILSGASPIGDPTKQETLANITTSVYDFDEEF 240
      | | | | | | | | : : : | : : : : | : | | | : : | : : : : | : :
DB      277 PEFVAPEIVNOSPVSQVTDIMPVGAFAFLCTGISPEVGENDKRTILMINRNVNFAEET 336

QY      241 FSHTSGLADFLRKILVETRRKRLTIOEALRHWPITPVNDQOAMVRESVYVLENFRRQY 300
      | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
DB      337 FLSLSRKARQFLIKVLYQD-RLRPTAEETLLEHPWF-----KTOAKGAEVSTDLKFLS-- 389

QY      301 VRRRWKLSFSIVSLCNHLTRLSLMAKKVHLRPD 331
      | | | : | : | : : : | : : : : | : : : : | : : : : |
DB      390 -RRRWORS-QISYKCHLYLRPIPELLRAPPE 418

Search completed: March 26, 2003, 19:17:46
Job time : 28.0241 secs

```

GenCore version 5.1.4.p5\_4578  
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OM protein - protein search, using sw model

Run on: March 26, 2003, 19:03:46 ; Search time 10.5538 seconds  
(without alignments) 733.219 Million cell updates/sec

Title: US-09-719-748-2\_COPY\_13\_275

Perfect score: 1343  
Sequence: 1 YDIGEELGSGFAIVKRCRE.....LVKTRKRLTIQELALRHPWI 263

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents-AA:\*

1: /cgn2\_6/ptodata/1/1aa/5A.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCUTS.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/Backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1121	83.5	454	2	US-09-159-385-1
2	1121	83.5	454	4	US-09-186-277-1
3	1106	82.4	448	2	US-09-159-385-2
4	1106	82.4	448	4	US-09-186-277-2
5	1079	80.3	331	4	US-08-810-712-24
6	1079	80.3	1423	4	US-08-810-712-10
7	649	48.3	260	2	US-07-857-224B-23
8	571.5	42.6	261	2	US-07-857-224B-22
9	542.5	40.4	307	1	US-08-713-828-1
10	542.5	40.4	307	2	US-08-919-627-1
11	542.5	40.4	307	2	US-09-096-245-1
12	500	37.2	2860	2	US-08-826-267-2
13	492.5	36.7	343	4	US-08-878-989-5
14	492.5	36.7	343	4	US-09-272-796-5
15	489.5	36.4	424	4	US-08-715-568A-1
16	485	36.1	370	2	US-08-878-989-19
17	485	36.1	370	4	US-09-272-796-19
18	485	36.1	370	4	US-09-457-040B-31
19	475	35.4	264	2	US-07-857-224B-18
20	474	35.3	264	2	US-07-857-224B-24
21	469	34.9	295	1	US-07-951-715A-23
22	469	34.9	295	2	US-08-459-448A-23
23	469	34.9	295	3	US-08-459-505A-23
24	469	34.9	295	3	US-08-459-504B-23
25	469	34.9	295	3	US-08-459-444-23
26	469	34.9	295	4	US-09-547-422-23
27	469	34.9	556	4	US-09-800-960-4

28	469	34.9	565	4	US-09-800-960-2	Sequence 2, Appl1
29	462	34.4	463	1	US-07-951-715A-25	Sequence 25, Appl1
30	462	34.4	463	2	US-08-459-448A-25	Sequence 25, Appl1
31	462	34.4	463	3	US-08-459-595A-25	Sequence 25, Appl1
32	462	34.4	463	3	US-08-459-504B-25	Sequence 25, Appl1
33	462	34.4	463	3	US-08-459-444-25	Sequence 0, Appl1
34	462	34.4	463	4	US-09-547-422-25	Sequence 0, Appl1
35	460	34.3	264	2	US-07-857-224B-19	Sequence 19, Appl1
36	458.5	34.1	456	1	US-08-464-164-2	Sequence 2, Appl1
37	458.5	34.1	456	2	US-08-338-057-2	Sequence 2, Appl1
38	458.5	34.1	456	2	US-08-668-416-2	Sequence 2, Appl1
39	458	34.1	625	4	US-09-347-801-18	Sequence 18, Appl1
40	458	34.1	639	4	US-09-347-801-17	Sequence 17, Appl1
41	457	34.0	623	4	US-09-347-801-4	Sequence 4, Appl1
42	453	33.7	268	2	US-07-857-224B-20	Sequence 20, Appl1
43	448	33.4	387	1	US-08-713-828-3	Sequence 3, Appl1
44	448	33.4	387	2	US-08-919-627-3	Sequence 3, Appl1
45	448	33.4	387	2	US-09-096-245-3	Sequence 3, Appl1

## ALIGNMENTS

```
RESULT 1
US-09-159-385-1
; Sequence 1, Application US/09159385
; Patent No. 5958748
; GENERAL INFORMATION:
; APPLICANT: AKIRA, SHIZUO
; APPLICANT: KAMAI, TARO
; TITLE OF INVENTION: DNA CODING FOR SERINE/THREONINE KINASE
; FILE REFERENCE: PH-569
; CURRENT FILING DATE: 1998-09-23
; EARLIER APPLICATION NUMBER: JP97/261589
; EARLIER FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-159-385-1

Query Match      83.5%; Score 1121; DB 2; Length 454;
Best Local Similarity 79.8%; Pred. No. 3, 2e-92;
Matches 210; Conservative 36; Mismatches 17; Indels 0; Gaps 0;

QY 1 YDIGEELGSGFAIVKRCREKSTGLEFAKFKRKRSRRSGVSREREYSILROYL 60
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB 13 YEMGEELGSGFAIVKRCRKGTGKFAKFKRRLSSRRGVSRETEREYNILREIR 72
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 61 HHNVITLHVYENKRDVIVILEVSGELEDFAQKESLSEERATSFIRQILDGVNYLHT 120
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB 73 HPRITLHDIFEKKTQVILILEVSGELDFLAKEESLDEBQATFLQIILDGVNYLHS 132
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 121 KRIAHFDLPENIMLDKNIPIPHIKLIDPGAHEIDEGVEKNKNGTEFVAPELVNTE 180
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB 133 KRIAHFDLPENIMLDKNVPMPIRIKIDFGIAHKEAGNEFNINGTEFVAPELVNTE 192
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 181 PGLGEADMSIGVITYILLSGASPFGLDTRKOETLANITSVSDPEDEFSHSELAKDPI 240
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB 193 PGLGEADMSIGVITYILLSGASPFGLDTRKOETLANITSVSDPEDEFSHSELAKDPI 252
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 241 RLKLVKTRKRLTIQELALRHPWI 263
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
DB 253 RRLVAKDPRKRRMTIAQSLSHSWI 275
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

RESULT 2
US-09-186-277-1
; Sequence 1, Application US/09186277
; Patent No. 6171841
```



```

: EARLIER FILING DATE: 1994-10-12
: NUMBER OF SEQ ID NOS: 31
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 24
: LENGTH: 331
: TYPE: PRT
: ORGANISM: Homo sapiens
: US-08-810-712-24

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Query Match	80.3%	Score 1079	DB 4	Length 331
Best Local Similarly	77.2%	Pred. No. 1.2e-88		
Matches 203	Conservative 39	Mismatches 13	Indels 8	Gaps 1

OY	1	YDIEELGSGGFALVKKCKREKSTLEVAAPFKRRROSARSRGVREIREVSIIROYL 60
Dd	13	YDTBEELSGSOFAYVKKCKREKSTLOQPAKFIKRKRKSSRGVRSDIEREVSILKEJO 72
OY	61	HHNVITLLHDVENRTDVVHILVELYSGGELDFDLAQEKSEEEATSFINKOILDGVNVLHT 120
Dd	73	HPNVITLHEVEYNKTDOVILIILELVAGSELDFDLAEKESLTLEEATEPLKQILNGVYYLHS 132
OY	121	KKIHFOLAKPRPNNIMLDKNPIPIPIKILIDGLAHEIEDGYEPFKNIGESTPEEFVAPETLYNE 180
Dd	133	LQIHPFDLRPNINMLDRNVPKPRIKIIDF-----GNPFNKIFGTPEEFVAPETLYNE 184
OY	181	PGLGEADWMSIGVTITYILLGSASFGLDGTQOETLANITSVDYDEFEFSHTSELAKDFT 240
Dd	185	PGLGEADWMSIGVTITYILLSASFPGLDGTQOETLANISAVNYEBEDDEYFENSTSLAKDFT 244
OY	241	RKLIVKETRRKRLTQEOALRHFWMT 263
Dd	245	RRLIVKDPKKRMRTIODSLQHPWI 267

RESULT 6  
US-08-810-712-10

Patent NO. 6160106  
 GENERAL INFORMATION:  
 APPLICANT: Yeda Research and Development Co. LTD  
 TITLE OF INVENTION: Tumor Suppressor Genes, Proteins Encoded Thereby and  
 TITLE OF INVENTION: Use of said genes and proteins  
 FILE REFERENCE: sequencelst  
 CURRENT APPLICATION NUMBER: US/08/810,712G  
 CURRENT FILING DATE: 1997-03-03  
 EARLIER APPLICATION NUMBER: PCT/US94/11598  
 EARLIER FILING DATE: 1994-10-12  
 NUMBER OF SEQ ID NOS: 31  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 10  
 LENGTH: 1423  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-08-810-712-10

Query Match	80.3%	Score 1079	DB 4	Length 1423
Best Local Similarly	77.2%	Pred. No. 7.6e88		
Matches 203; Conservative	39;	Mismatches 13;	Indels 8;	Gaps 1;

Qy	1	YDIGEELSGGEFAVYKCKCREKSTLEVAANKIKKROSRASRRCGYSREIREVYSILROYL	60
Db	13	YDTGEELSGGEFAVYKCKCREKSTLOTPAKFIKKRRKRSRGRVSRSDIREVYSILKEIQ	72
Qy	61	HHNVITLHDVYENRTPDVVHILELVSGGELFEDLQAOKESLSEEAATSFKOILDOGVNLAFT	120
Db	73	HPNVITLHEVENRTPDVLTLLIELVAGGELFELFLAEKESLTLEEAATEFLKOILNGVYLIHS	132
Qy	121	KKIAHFDLKPENIMLQKONIPYPIHIKILDEGLAHEIDGVEYKPIKIEETPEFVAPEIYNE	180
Db	133	LQIAHFDLKPENIMLDRNVRPKPIKIIDF-----GNEFKNIETPEFVAPEIYNE	184
Qy	181	PLGLEADWMSIGVITVYILLGSGAFELDDTKQETLANITSVSYDDEEFSSHTELAKDFT	240

Db 185 PLGLEADNMSIGVITYILLSGASPLGDTKOETLANVSAVVEFEDEYFSNTSALAKOFI 244

QY 241 RKLVEKTRKRLTIOEARHPMI 263  
1:1111:11:1111:111111

Db 245 RRLVKKDKPKRRITQDSLQHPMI 267

RESULT 7  
US-07-857-224B-23

; Sequence 23, Application US/07857224B  
; Patent No. 5958784

```

1 GENERAL INFORMATION:
2 APPLICANT: Benner, Steven A.
3 TITLE OF INVENTION: Predicting Folded Structures of Proteins
4 NUMBER OF SEQUENCES: 114
5 CORRESPONDENCE ADDRESSES:
6 ADDRESSEE: Steven A. Benner
7 STREET: Hadlaubstrasse 151
8 CITY: Zurich
9 STATE: none
10 COUNTRY: Switzerland
11 ZIP: (note: this is an international post code) CH-8092
12 COMPUTER READABLE FORM:
13 MEDIUM TYPE: 3.5 inch diskette, 1.4 Mb storage
14 COMPUTER: Apple Macintosh
15 OPERATING SYSTEM: Macintosh 7.0
16 SOFTWARE: Microsoft Word
17 CURRENT APPLICATION DATA:
18 APPLICATION NUMBER: US/07/857,224B
19 FILING DATE: 03/25/92
20 CLASSIFICATION: 436
21 PRIOR APPLICATION DATA: none
22 TELECOMMUNICATION INFORMATION:
23 TELEPHONE: (International) 41 1 632 2830
24 TELEFAX: (International) 41 1 262 2437
25 TELEX: none
26 INFORMATION FOR SEQ ID NO: 23:
27 SEQUENCE CHARACTERISTICS:
28 LENGTH: 260
29 TYPE: amino acid
30 TOPOLOGY: linear
31 MOLECULE TYPE:
32 DESCRIPTION: protein
33 ORIGINAL SOURCE:
34 ORGANISM: chicken
35 FEATURE: Protein kinase: Table 8 Column 25
36 PUBLICATION INFORMATION:
37 AUTHORS:
38 AUTHORS: Hanks, S. K.
39 AUTHORS: Quinn, A. M.
40 AUTHORS: Hunter, T.
41 TITLE: The protein kinase family
42 JOURNAL: Science
43 VOLUME: 241
44 PAGES: 42-52
45 DATE: 1988
46 US-07-857-224B-23

```

Query Match	48.38; Score 649; DB 2; Length 260;
-------------	-------------------------------------

[illegible]







```

APPLICANT: Guegler, Karl G.
APPLICANT: Lal, Preeti
APPLICANT: Goli, Surya K.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
TITLE OF INVENTION: KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/878,989
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0321 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PROSNOT06
CLONE: 827431
US-08-878-989-5

Query Match          36.7%; Score 492.5; DB 2; Length 343;
Best Local Similarity 39.6%; Pred. No. 2,5e-36;
Matches 105; Conservative 55; Mismatches 94; Indels 11; Gaps 4;

1 YDIGELTSGGQFAIVKCRKSTGLETAFAIKRQRASRRGVSRREIREVSIIRGYL 60
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
15 YEIRRLCSGAFFSEVLVAOERGSAHLVALKCIPRKALRG----KEALVNEMIAVRIS 69
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
61 HHNVTTLDHYENRFDVVHILELVSGGLPDLAOKESLSSEEAATSFRIKOILDGNYLT 120
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
70 HNNIALLEVHSPSHLYLAHELTVTGSLPRIMERGSYTERKDASHLVGGVLAGAVSYLS 129
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
121 KKIAHEFLDKPERIMLLDNKRNIPRIKL--DGLAHAEIEDGVETKNIFGPEPAPIYN 178
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
130 LGIVNHDLKRENLLVA---TPREDSKIMVSDFGLS-KIQAQNMMLGTAGCPGVYAPLE 185
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
179 YEPUGLEADMSIGVTITLLSGASPPLGDFTKQERTLANITSVSVDPEDEEFSHTSELAKD 238
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
186 QKPYGAVVMVAAGLVISTYLTLGYPPTIDESDELFSQLLASVDFDXPFMDDISSEGQ 245
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
239 FIRKLVEKETRKLTIOEALRHPMI 263
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |
246 FIRHLERDLQKRFTCOQALRDIMI 270
   ||| |||| | : : : | : | : | : | : | : | : | : | : | : | : |

```

```
Patent No. 6207148
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Hillman, Jennifer L.
APPLICANT: Corley, Neil C.
APPLICANT: Guebler, Karl G.
APPLICANT: Lal, Preeti
APPLICANT: Golli, Surya K.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: DISEASE ASSOCIATED PROTEIN
TITLE OF INVENTION: KINASES
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/272,796
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/878,989
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0321 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: PROSNOT06
CLONE: 827431
US-09-272-796-5

Query Match 36.7%; Score 492.5; DB 4; Length 343;
Best Local Similarity 39.6%; Pred. No. 2.5e-36;
Matches 105; Conservative 55; Mismatches 94; Indels 11; Gaps 4;

QY 1 YDIEELSGGQFAIVKKRCKSTGLEAAKFIKKRQSRASRGVSRREIEREVSIIROYL 60
DB 15 YERERLGSASFSEVVLADQSGAHVALKCIKRLRG-----KALVNEIAVLKRIS 69
QY 61 HHNVITLHDYENRTDVAHLELVSGGELDFDLAOKESLSEEAATSFIKOILDGVNYLHT 120
DB 70 HPIVVALVEDVHESPSHLYLAMELVTGELFDRLMERGSYTEKQASHLVGVGLAVSYLHS 129
QY 121 KKAHFDLAKENIMLDKNIPRIPIKLI--DFGLAHEIEGVEFKNITGTPPEYAPPIVN 178
DB 130 LGIVHRLKPEMLLYA---TPFEDSKIMVSDFGLS-KIQAGNMIGTACGTPGVAPPELL 185
QY 179 YEPFLGELADMSIGVITYILLGSAFPGLDTPKQETLANITSVSYDPEEFESHTSELA 238
DB 186 QKPYGKAUVDMALGVISTYLLCGTPPEYDSDPELSQIIRASTFDPXPRWDISESGKD 245
QY 239 FIRKLIVKETRRKRLTIOEALRHPWI 263
DB 246 FIRHLERDLQKRFCTQOALRLDAMI 270
```

```
RESULT 15
US-08-715-568A-1
Sequence 1, Application US/08715568A
Patent No. 5856463
GENERAL INFORMATION:
APPLICANT: Prydz, Hans Peter Blankenborg
APPLICANT: Brede, Gaute
TITLE OF INVENTION: PSKH-1 Ribozymes and uses in Disease
TITLE OF INVENTION: Treatment
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lerner, David, Littenberg, Krumholz & Mentlik
STREET: 600 South Avenue West
CITY: Westfield
STATE: NJ
COUNTRY: USA
ZIP: 07090-1497
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/715,568A
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Foley, Shawn P.
REFERENCE/DOCKET NUMBER: FORSK 3.0-002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 908-654-5000
TELEFAX: 908-654-7866
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 424 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-715-568A-1

Query Match 36.4%; Score 489.5; DB 2; Length 424;
Best Local Similarity 41.2%; Pred. No. 6e-36;
Matches 110; Conservative 43; Mismatches 101; Indels 13; Gaps 5;

QY 1 YDIEELSGGQFAIVKKRCKSTGLEAAKFIKKRQSRASRGVSRREIEREVSIIROYL 60
DB 98 YDIKEILGRGFSKRVAVEHARATQPYAIKMIETKY----REG--REVCESELVLRVR 151
QY 61 HHNVITLHDYENRTDVAHLELVSGGELDFDLAOKESLSEEAATSFIKOILDGVNYLHT 120
DB 152 HANILQVEVEFOERYVMELATGELFDRIIAKCSFTERDATRYLQWVLQDVRLHA 211
QY 121 KKAHFDLAKENIMLDKNIPRIPIKLI--DFGLAHEIEGVE--FKNITGTPPEYAPPI 176
DB 212 LGITHRLKPEMLLYA---PGTDSKITITIDFGLASARKKGDCCIMTTGTPYIAPV 268
QY 177 VNEPFLGELADMSIGVITYILLGSAFPGLDTPKQETLANITSVSYDPEEFESHTSELA 236
DB 269 LVRRPYNSVDMALGVIAVITLLSGTWPFEEDNTRILYROLIRKYSYSGPMPVSNL 328
QY 237 KDFIRKLIVKETRRKRLTIOEALRHPWI 263
DB 329 KDFIDRLITVDPGARMVALQALRHPWV 355
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Search completed: March 26, 2003, 19:11:24  
Job time : 13.5538 secs

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Db 342 LIKEKSMRISASEALKHPWL 361

RESULT 5

US-09-940-921B-9

Sequence 9, Application US/09940921B

Patent No. US20020147320A1

GENERAL INFORMATION:

APPLICANT: Fridgde, Carl Johan

APPLICANT: Hildun, Erin

APPLICANT: Nepomichy, Boris

APPLICANT: Hu, Yi

TITLE OF INVENTION: No. US20020147320A1el Human Kinase Proteins and Polynucleotides H

FILE REFERENCE: LEX-0227-USA

CURRENT APPLICATION NUMBER: US/09/940,921B

CURRENT FILING DATE: 2002-05-21

PRIOR APPLICATION NUMBER: US 60/229,280

PRIOR FILING DATE: 2000-08-31

NUMBER OF SEQ ID NOS: 10

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 9

LENGTH: 398

TYPE: PRT

ORGANISM: homo sapiens

US-09-940-921B-9

Query Match

Best Local Similarity 46.0%; Score 617.5; DB 10; Length 398;

Best Local Similarity 46.5%; Pred. No. 3.1e-40;

Matches 121; Conservative 53; Mismatches 77; Indels 9; Gaps 3;

Db 5

110 ELTGGRFGQVHKCEETATGLAKAIIITRGK-----DKREEVNNEISVMQDLHANL 163

164 IOLYDAFESKNDIVLAMEYVDGELFDRIIDESYNLTDLTILFMKICEGIIHMHQMYI 223

124 AIFDLKPEIMILDKNIPRIPIKIDFGLAHEIEDGVEKRNIFGTPEFAVAPETVNERPLG 183

224 LHLDLKPEIMILCVNRD--AKQIKIIDFGLARRYKPREKLVNGCTPEFLAPENVVNDPVS 281

184 LEADMMISIVITYIILSGASPLGDTKQETLANITSVSYDDEEFSSSELAKDPIRLKI 243

282 EFTDMNSVIVAMLLSGSPFLGDNDATLNNIILACRDLEDEPDODISEAKETISKL 341

244 LVKETRRKRLTIOEALRHPWI 263

342 LIKEKSMRISASEALKHPWL 361

Db

US-09-925-300-1442

RESULT 6

US-09-925-300-1442

Sequence 1442, Application US/09925300

Patent No. US20020151681A1

GENERAL INFORMATION:

APPLICANT: Craig Rosen,

APPLICANT: Steve Ruben

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

FILE REFERENCE: PA101

CURRENT APPLICATION NUMBER: US/09/925,300

CURRENT FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: PCT/US00/05988

PRIOR FILING DATE: 2000-03-08

PRIOR APPLICATION NUMBER: 60/124,270

PRIOR FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 1890

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 1442

LENGTH: 839

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (291)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (295)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE

LOCATION: (683)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-925-300-1442

Query Match

Best Local Similarity 45.5%; Score 611.5; DB 10; Length 839;

Best Local Similarity 47.7%; Pred. No. 2.1e-39;

Matches 123; Conservative 46; Mismatches 80; Indels 9; Gaps 3;

Db 1

YDIGEELSGQFAIVKKCREKSTGLEVAAKFIKKRQSRASRGVSREIEREVSIILROYLHNV 60

585 YDIEERLGSQKFGQVFLVLEKTRKRVAGKFFKAYSAK-----EKENIQEISIMNCLH 638

61 HHNVITLHDVYENRTDVVHILELVSGGELFDPLAOKR-SLSEBEATSFIOIIDGVNYLH 119

639 HPKLVQCVDAFEERKANIVAMLEIVSGGELFERIIDEDFELTEREXIKYMQISEGVEYIH 698

120 TKRIAFDLKPEIMILDKNIPRIPIKIDFGLAHEIEDGVEKRNIFGTPEFAVAPETVNY 179

699 KQGVHLDLKPENIMCVNKT--GTRIKIDFGLARLENAGSLKVLFGTPEFAVAPETVNY 756

180 EPLGLEADMSIGVITYIILSGASPLGDTKQETLANITSVSYDDEEFSSHTSELAQDF 239

757 EPIGATDMNSIGVICYIILVSGLSPLFGMDNDETLANVTSATWDFDEADEISDAKDF 816

240 IRLKLVKETRRKRLTIOEA 257

817 ISNLLKDMKNRLDCTHA 834

Db

US-09-797-039-8

RESULT 7

US-09-797-039-8

Sequence 8, Application US/09797039

Patent No. US20020042099A1

GENERAL INFORMATION:

APPLICANT: Olandt, Peter J,

APPLICANT: Kapeller-Libermann, Rosana

TITLE OF INVENTION: 2504, 15977, AND 14760, NOVEL PROTEIN

FILE REFERENCE: 10448-017001

CURRENT APPLICATION NUMBER: US/09/797,039

CURRENT FILING DATE: 2001-02-28

PRIOR APPLICATION NUMBER: US 60/186,061

PRIOR FILING DATE: 2000-02-29

NUMBER OF SEQ ID NOS: 13

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 8

LENGTH: 596

TYPE: PRT

ORGANISM: Homo sapiens

US-09-797-039-8

Query Match

Best Local Similarity 42.4%; Score 569.5; DB 10; Length 596;

Best Local Similarity 42.7%; Pred. No. 2.5e-36;

Matches 111; Conservative 55; Mismatches 85; Indels 9; Gaps 3;

Db 5

EELGSGQFAIVKKCREKSTGLEVAAKFIKKRQSRASRGVSREIEREVSIILROYLHNV 64

289 EALGGGKFGAVCTCMERATGLAKAIVIKQTER-----DKREVLLIEIVMQLNRLNL 342

65 ITHLDVYENRTDVVHILELVSGGELFDPLAOKR-SLSEBEATSFIOIIDGVNYLHNV 123

343 IOLYALTEPHETVLMFMEYIEGGELEFRIYDEDHILTEVDTPVNFVROICGILFPMHMKRV 402

124 AHFDLKPENIMILDKNIPRIPIKIDFGLAHEIEDGVEKRNIFGTPEFAVAPETVNERPLG 183

403 LHLDLKPEIMILCVNTGHL--VKIIDGLARRYNPNEKLVNIGTPEFLAPENVVNDPVS 460

Db

QY	184	LEADMSGCVITTYLLSGASFFLDTCOETLANTSVSYDFDEEFSHTSELKAFIRKL	243
Db	461	DKTDMMSGVITTYMLSGLSPLFDDDTETLNVLSGWNFDEETFEAVSDEADKAFVSL	520
QY	244	LVKERRRLTIOEALRHPI	263
Db	521	LVKDRAMNNAOCLAHFWL	540

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RESULT 8
US-09-759-508B-2
; Sequence 2, Application US/09759508B
; Publication No. US20020182599A1
; GENERAL INFORMATION:
; APPLICANT: Fishman, Mark C.
; TITLE OF INVENTION: Methods for Diagnosing and Treating Heart Disease
; FILE REFERENCE: 00786/381002
; CURRENT APPLICATION NUMBER: US/09/759,508B
; CURRENT FILING DATE: 2001-01-12
; PRIOR APPLICATION NUMBER: US 60/7175,787
; PRIOR FILING DATE: 2000-01-12
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 26926
; TYPE: prt
; ORGANISM: Homo sapiens
US-09-759-508B-2

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[illegible]

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1 RESULT 9
2 US-10-024-036B-2
3 : Sequence 2, Application US/10024036B
4 : Publication No. US20030028004A1
5 :
6 : GENERAL INFORMATION:
7 : APPLICANT: Bandaru, Rajasekhar
8 : TITLE OF INVENTION: 68730 and 69112, Protein Kinase
9 : FILE REFERENCE: MP12000-521P1R(4)
10 : CURRENT APPLICATION NUMBER: US/10/024.036B
11 : CURRENT FILING DATE: 2001-12-17
12 : PRIOR APPLICATION NUMBER: 60/256822
13 : PRIOR FILING DATE: 2000-12-22
14 : NUMBER OF SEQ ID NOS: 10
15 : SOFTWARE: FastSeq for Windows Version 4.0
16 : SEQ ID NO 2
17 :
18 : LENGTH: 357
19 :
20 : TYPE: PRT
21 :

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ORGANISM: Homo sapiens  
US-10-024-036B-2

Query Match	38.38;	Score 514;	DB 9;	Length 357;
Best Local Similarity	39.28;	Pred. No. 2.5e-32;		
Matches 103;	Conservative 50;	Mismatches 104;	Indels 6;	Gaps 2;

[illegible]

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? RESULT 10
? US-09-858-664A-14
? Sequence 14, Application US/09858664A
? Patent No. US20020072491A1
? GENERAL INFORMATION:
? APPLICANT: WEI, Ming-Hui, et al.
? TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
? ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
? TITLE OF INVENTION: THEREOF
? FILE REFERENCE: CLO00927-CIP
? CURRENT APPLICATION NUMBER: US/09/858,664A
? CURRENT FILING DATE: 2001-05-17
? PRIOR APPLICATION NUMBER: 09/711,134
? PRIOR FILING DATE: 2000-11-11
? NUMBER OF SEQ ID NOS: 33
? SOFTWARE: FastSeq for Windows Version 4.0
? SEQ ID NO 14
? LENGTH: 274
? TYPE: PRT
? ORGANISM: Homo sapiens
? US-09-858-664A-14

```

[illegible]



## RESULT 11

```
US-09-858-664A-13
; Sequence 13, Application US/09858664A
; Patent No. US20020072491A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui, et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEROF
; FILE REFERENCE: CLO00927-CIP
; CURRENT APPLICATION NUMBER: US/09/858,664A
; CURRENT FILING DATE: 2001-05-17
; PRIOR FILING DATE: 2000-11-11
; PRIOR APPLICATION NUMBER: 09/711,134
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-858-664A-13
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Query Match          37.2%; Score 500; DB 10; Length 414;
Best Local Similarity 38.8%; Pred. No. 3.6e-31;
Matches 100; Conservative 57; Mismatches 93; Indels 8; Gaps 2;
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OY 6 ELGSGQFAIVKRCREKSTGLEVAFAFKRQSRASRGVSRREIEREVSILRQVLHNNY 65
   |||::|||::| | |::| |::| |::| |::| |::| |::| |::| |::| |::|
DB 118 ELGRGFVSVKKQDQGTGRAVATKFNKKL-----MKRQVTHELIDLSIQHPLV 170
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 66 TLHDVYENTDVVHILEVSGELFDFLAQKSLSEEAFTSFQILDGVNVLHKKIAH 125
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 171 GLDFFERTSYLVLEMADQGRLLDCVVRWGSLEGIKRAHGLVAVRYLHNCRIAH 230
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 126 FDLKRPENIMLLDKNIPRIPIKILIDFGLAHEIDGVEFKNIFGPPEVAPETVNEPL 185
   ||| ||| |||::| | | ||| |||::| | | ||| |||::| | | ||| |||::|
DB 231 LDKRPENT-LVDESLAKPPIKILADGEDAVQVLTNTYTHQLDNPFAAEIILGNFVSLT 289
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 186 ADMWSIGVITYILLGSAFPLDGTQKQETLANITSVSYDDEEFFSHTSSELAQFIRK 245
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 290 SDTWSYGVLTYLLGCVSPFLDSVETETLCRIEDFSPPDYFKVSGKAEVCFELQ 349
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 246 KETRRKRLTIOEALRHPI 263
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 350 EDPARRPSAALALQEQWL 367
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

## RESULT 12

```
US-09-935-464-3
; Sequence 3, Application US/09935464
; Publication No. US20030027153A1
; GENERAL INFORMATION:
; APPLICANT: Meyer, Joanne
; APPLICANT: Barrington-Martin, Rory
; APPLICANT: Parker, Alexander
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING NEUROPSYCHIA
; TITLE OF INVENTION: DISORDERS SUCH AS SCHIZOPHRENIA
; FILE REFERENCE: 3322/14702 US1
; CURRENT APPLICATION NUMBER: US/09/935,464
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/757,300
; PRIOR FILING DATE: 2001-01-09
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 460
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-464-3
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Query Match          37.2%; Score 500; DB 9; Length 460;
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Best Local Similarity 41.4%; Pred. No. 4.1e-31;
Matches 108; Conservative 51; Mismatches 90; Indels 12; Gaps 5;
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OY 5 EELGSGQFAIVKRCREKSTGLEVAFAFKRQSRASRGVSRREIEREVSILRQVLHNNY 64
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 27 EVLGSAGFSEVFLVKQRLKGLFKALCKIKK--SPAER---DSLSNEIHLVKKIKHENI 80
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 65 ITLHDVYENTDVVHILEVSGELFDFLAQKSLSEEAFTSFQILDGVNVLHKKIAH 124
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 81 VTLDEDIYESTHYVLMQVLSGGEFLDRIERGVYTEKDSLVIOQVLSAVKYLHENGIV 140
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 125 HFDLKPENIMLL--DKNIPRIPIKILIDFGLAHEIDGVEFKNIFGPPEVAPETVNEPL 182
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 141 HRLKRPENILYLTPREN---SKIMTDFGLSKMEQNGI--NSTACGTPGYAVPEVLAQKPY 196
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 183 GLEADMSIGVITYILLGSAFPLDGTQKQETLANITSVSYDDEEFFSHTSSELAQFIRK 242
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 197 SKAVDCMSIGVITYILLGCVPPYEETESKLFKIKEGYEFESPPMDISSESAKDFICH 256
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 243 LAKETRRKRLTIOEALRHPI 263
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 257 LLEKDPNERYTECKALSHPI 277
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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Query Match          37.2%; Score 500; DB 9; Length 476;
Best Local Similarity 41.4%; Pred. No. 4.2e-31;
Matches 108; Conservative 51; Mismatches 90; Indels 12; Gaps 5;
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OY 5 EELGSGQFAIVKRCREKSTGLEVAFAFKRQSRASRGVSRREIEREVSILRQVLHNNY 64
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 27 EVLGSAGFSEVFLVKQRLKGLFKALCKIKK--SPAER---DSLSNEIHLVKKIKHENI 80
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 65 ITLHDVYENTDVVHILEVSGELFDFLAQKSLSEEAFTSFQILDGVNVLHKKIAH 124
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 81 VTLDEDIYESTHYVLMQVLSGGEFLDRIERGVYTEKDSLVIOQVLSAVKYLHENGIV 140
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 125 HFDLKPENIMLL--DKNIPRIPIKILIDFGLAHEIDGVEFKNIFGPPEVAPETVNEPL 182
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 141 HRLKRPENILYLTPREN---SKIMTDFGLSKMEQNGI--NSTACGTPGYAVPEVLAQKPY 196
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 183 GLEADMSIGVITYILLGSAFPLDGTQKQETLANITSVSYDDEEFFSHTSSELAQFIRK 242
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 197 SKAVDCMSIGVITYILLGCVPPYEETESKLFKIKEGYEFESPPMDISSESAKDFICH 256
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
OY 243 LAKETRRKRLTIOEALRHPI 263
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB 257 LLEKDPNERYTECKALSHPI 277
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

```
RESULT 14
```

